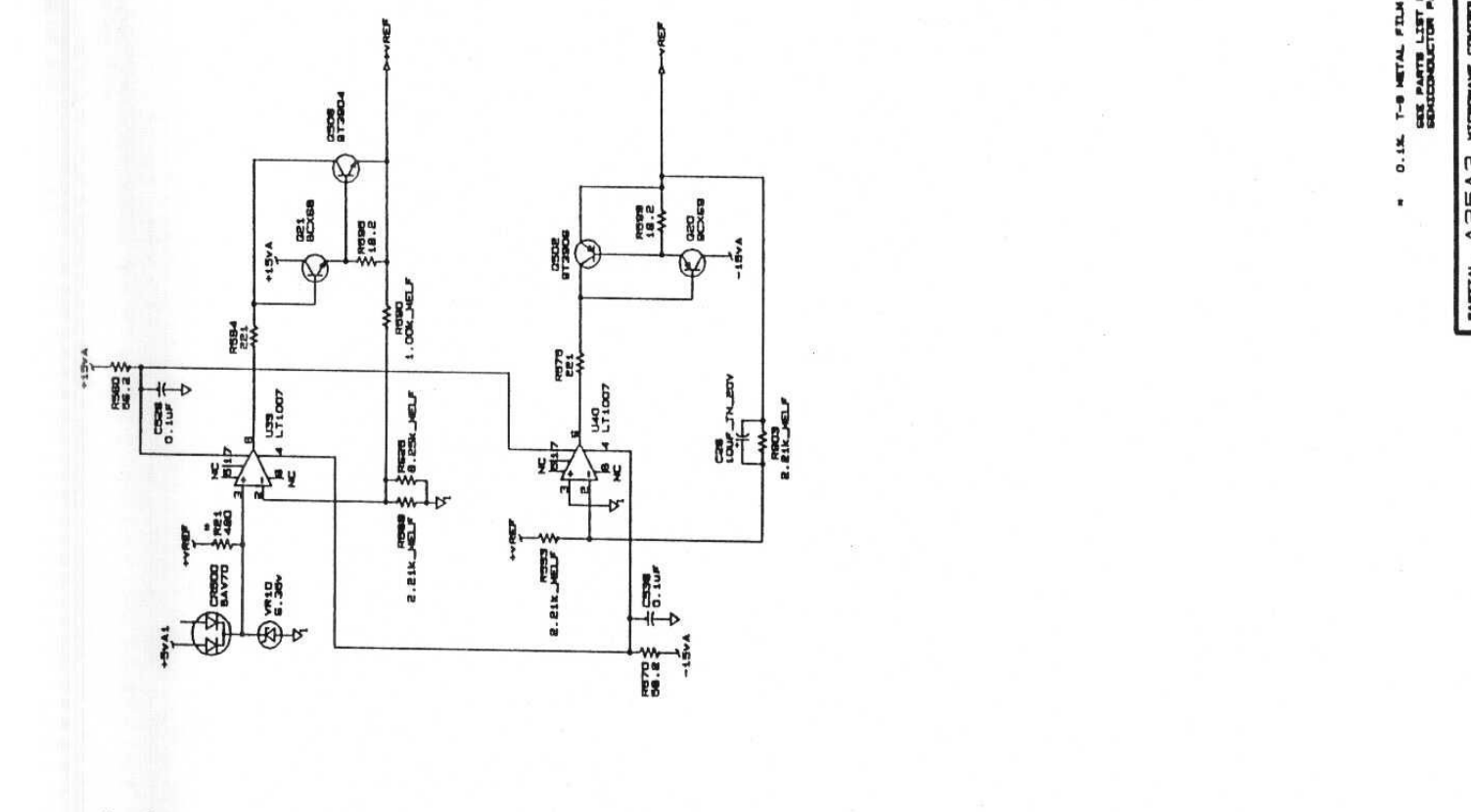
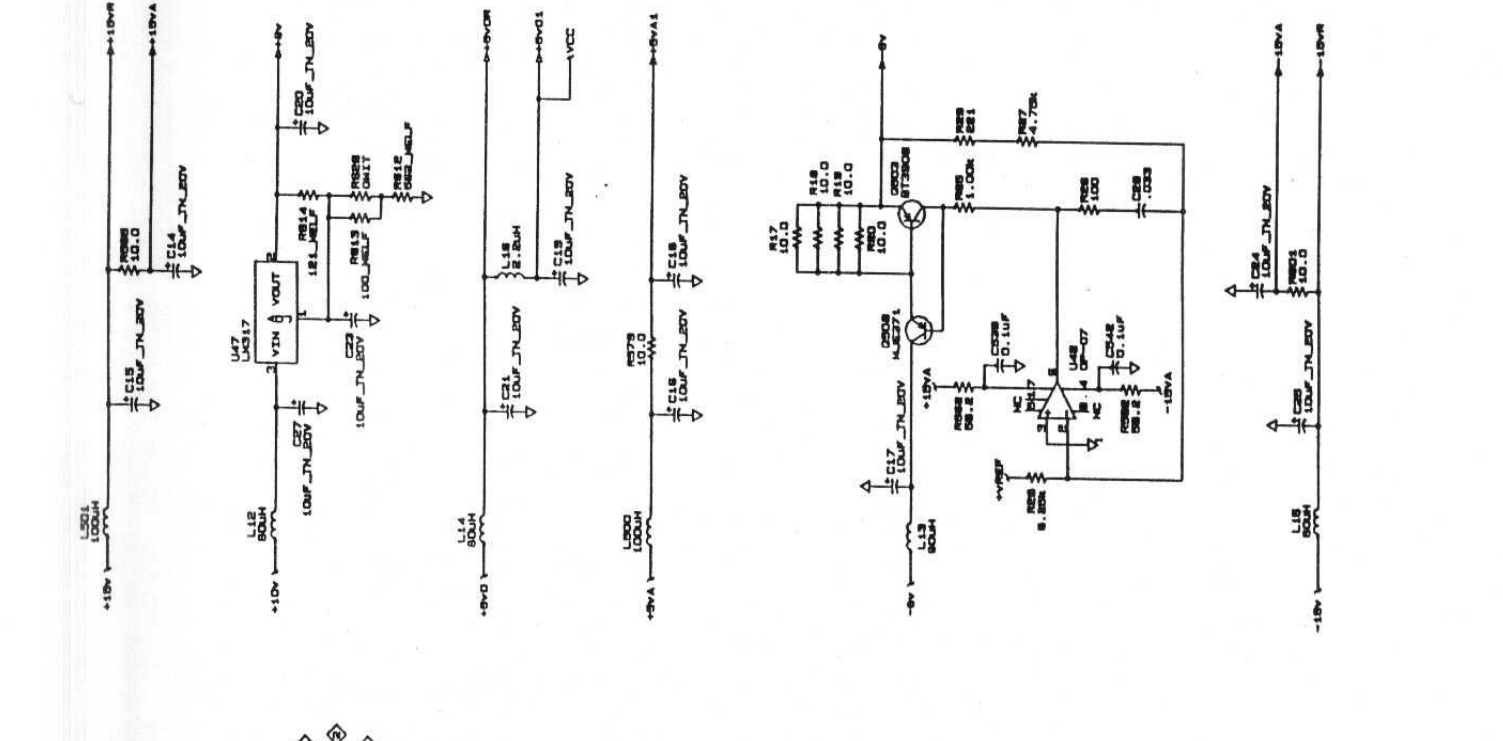
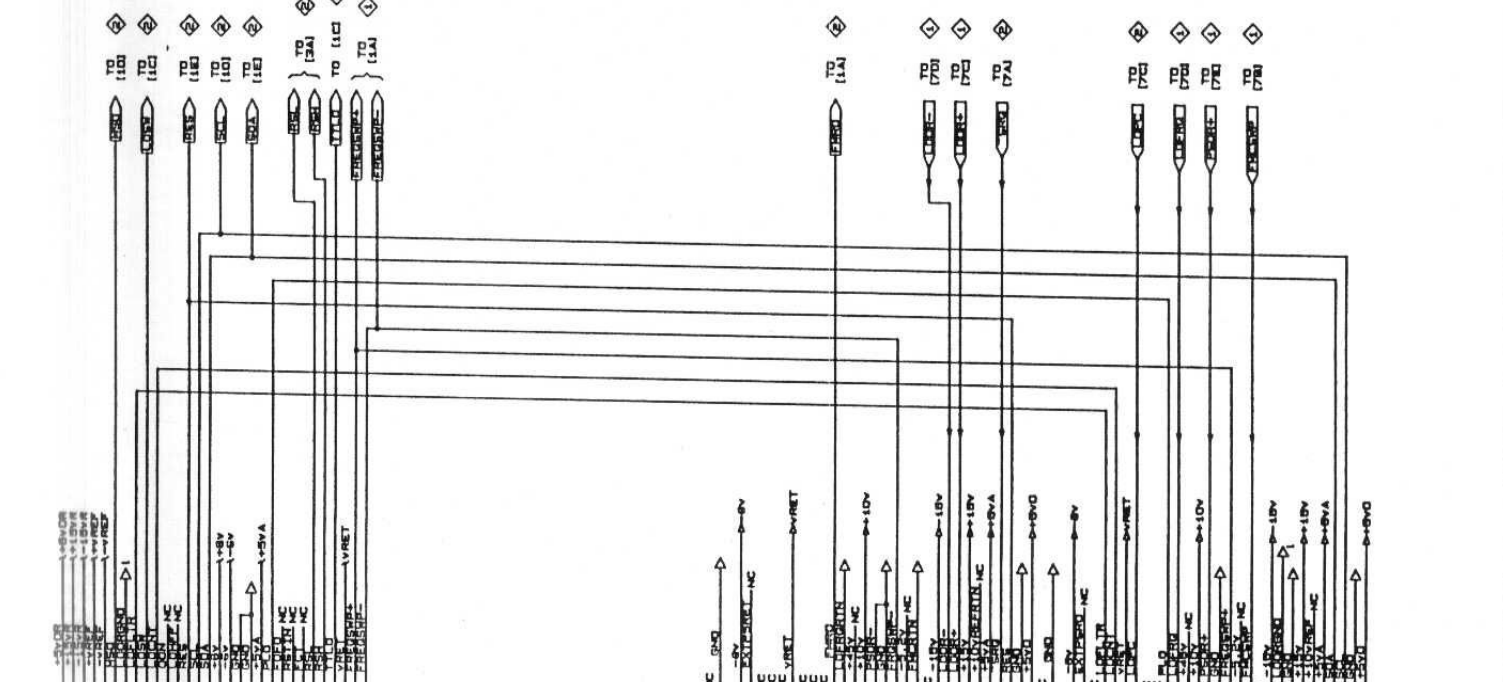
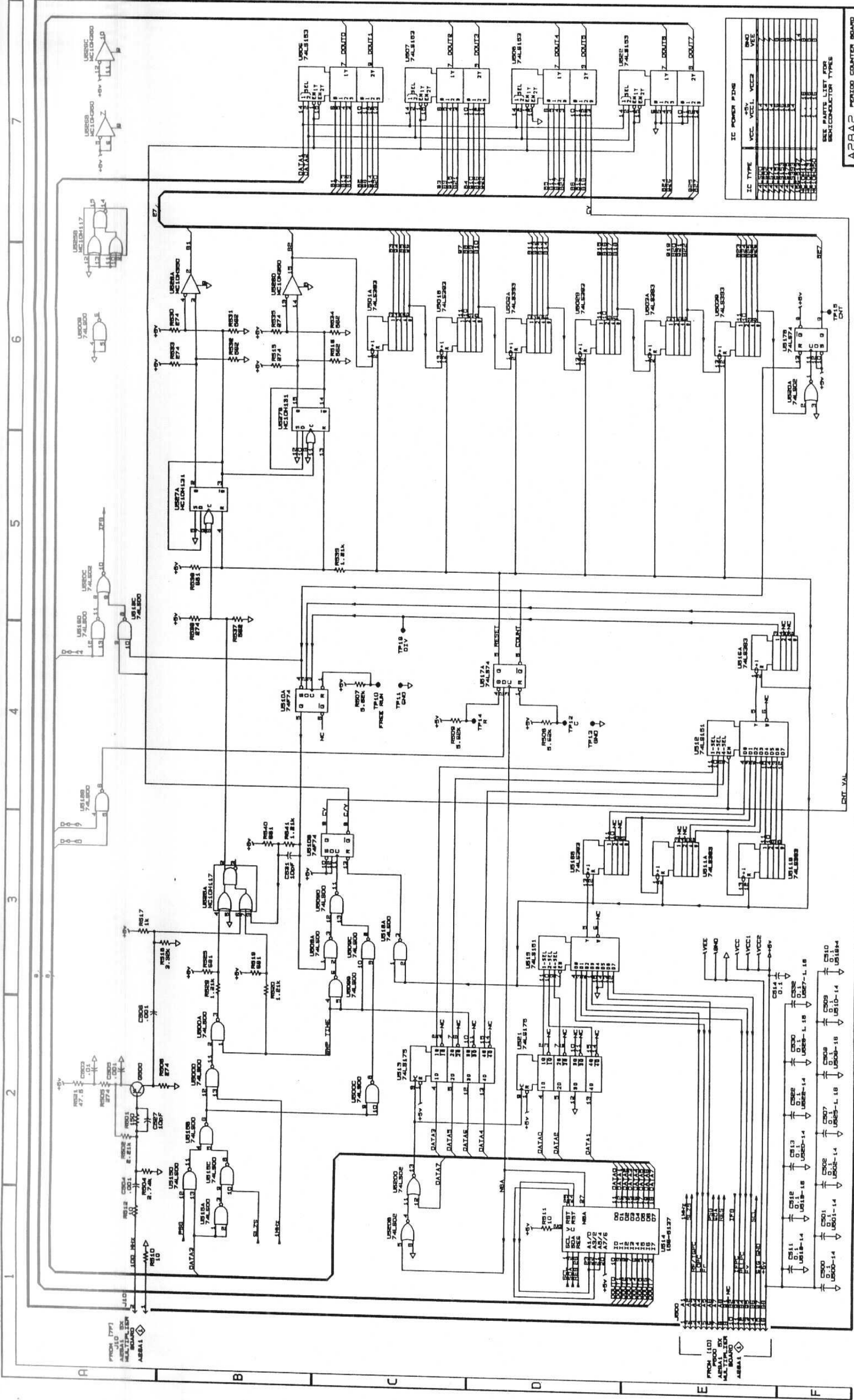


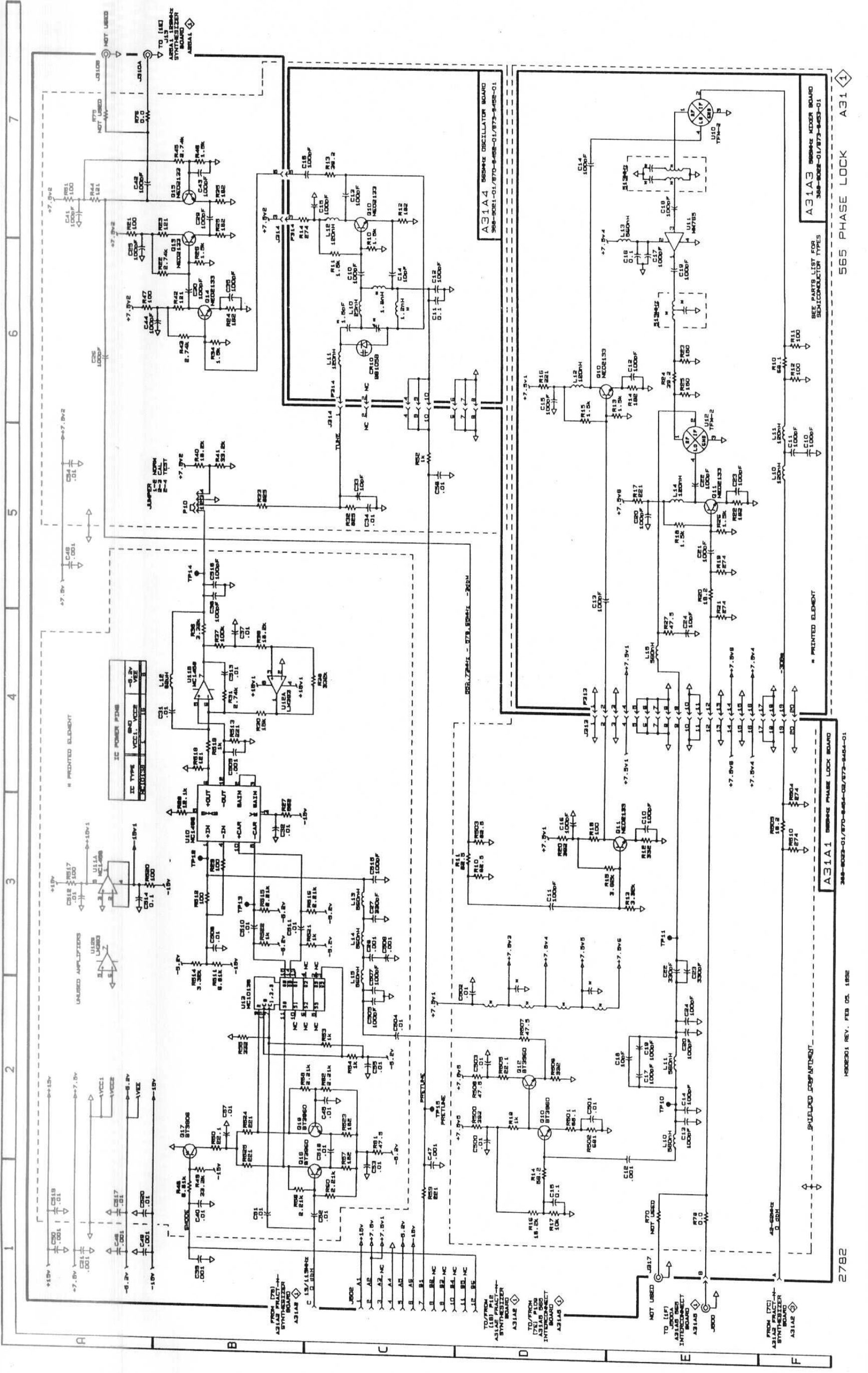
* 0.1% T-8 METAL FILM PART
SEE PARTS LIST FOR
SEMICONDUCTOR PARTS





* 0.1% T-8 METAL FILM PART
SEE PARTS LIST FOR
SUBSTITUTION PARTS





565 PHASE LOCK A31-1

A31A1 565 PHASE LOCK BOARD
388-8022-01/870-8464-02/873-8454-01

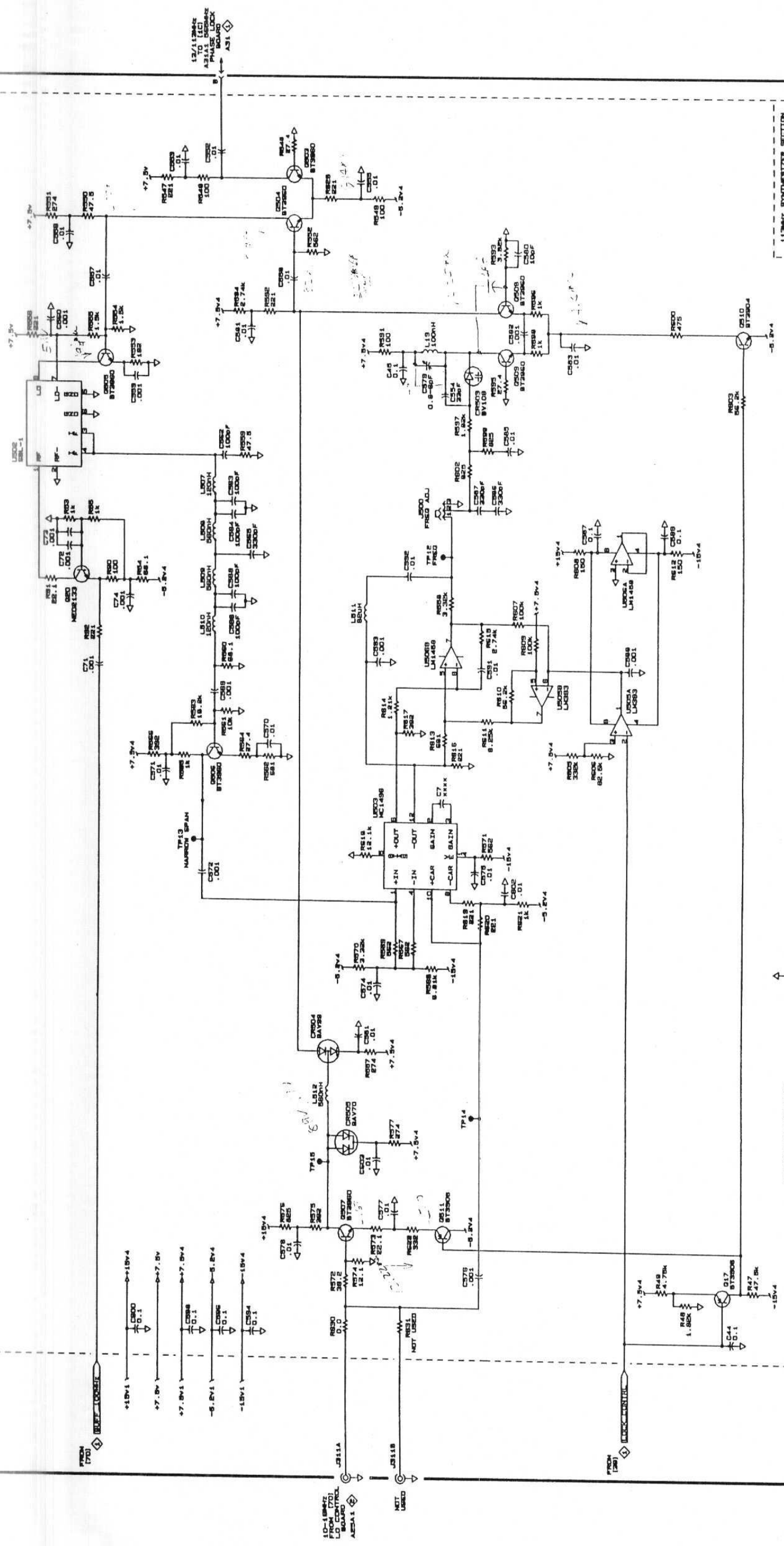
1802001 REV. FEB 05 1996

2782

A31A3 565 PHASE LOCK BOARD
388-8022-01/873-8453-01

SEE PARTS LIST FOR
SEMICONDUCTOR TYPES

* PRINTED ELEMENT



SEE PARTS LIST FOR
SEMICONDUCTOR TYPES

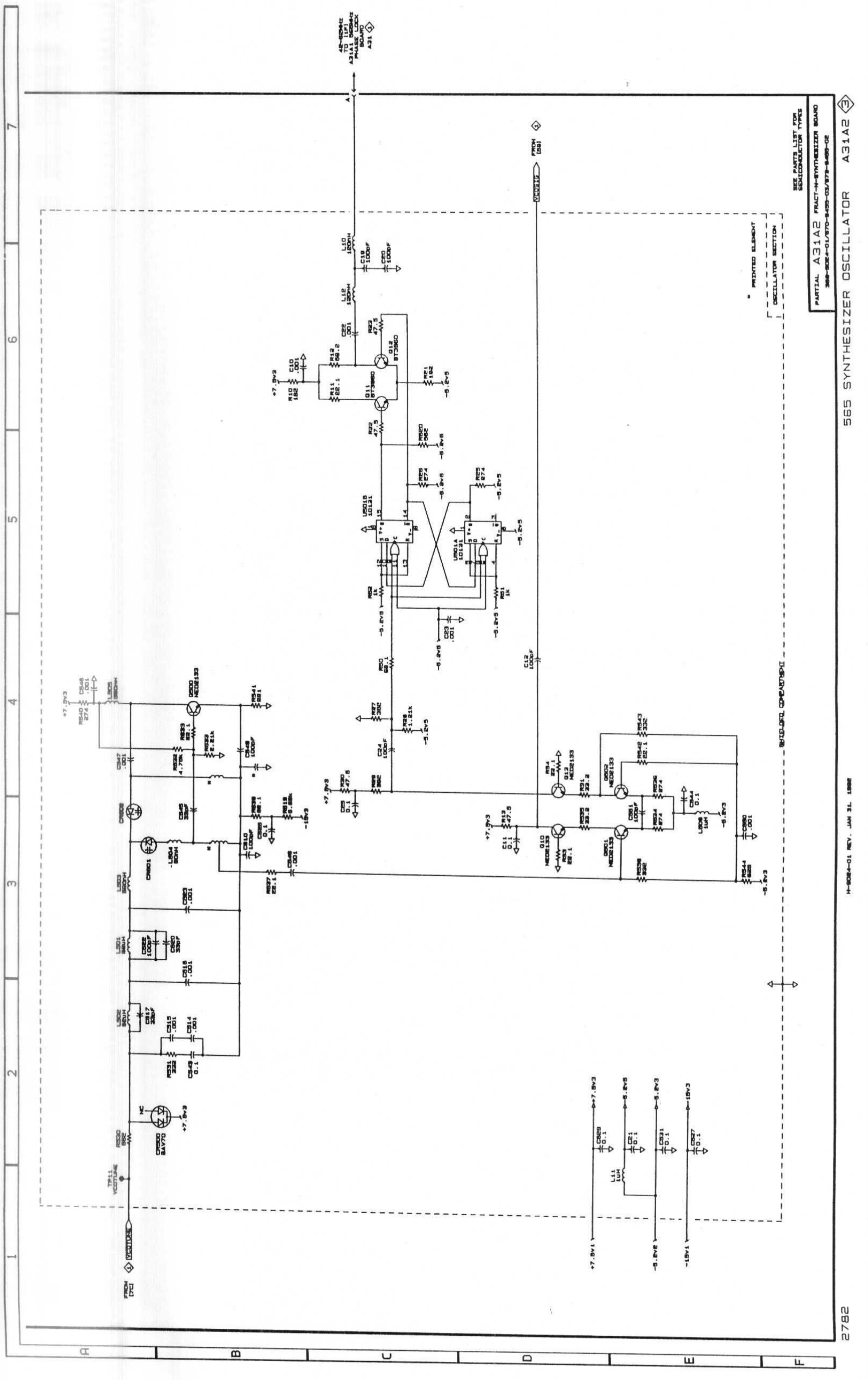
PARTIAL A31A2 FRACT-N-SYNTHESIZER BOARD
3905-9024-01/1670-9459-03/1673-8458-02

2782

H-2024-01 REV. JAN 31 1992

113MHZ SYNTHESIZER

2017-01-11 22:00:11



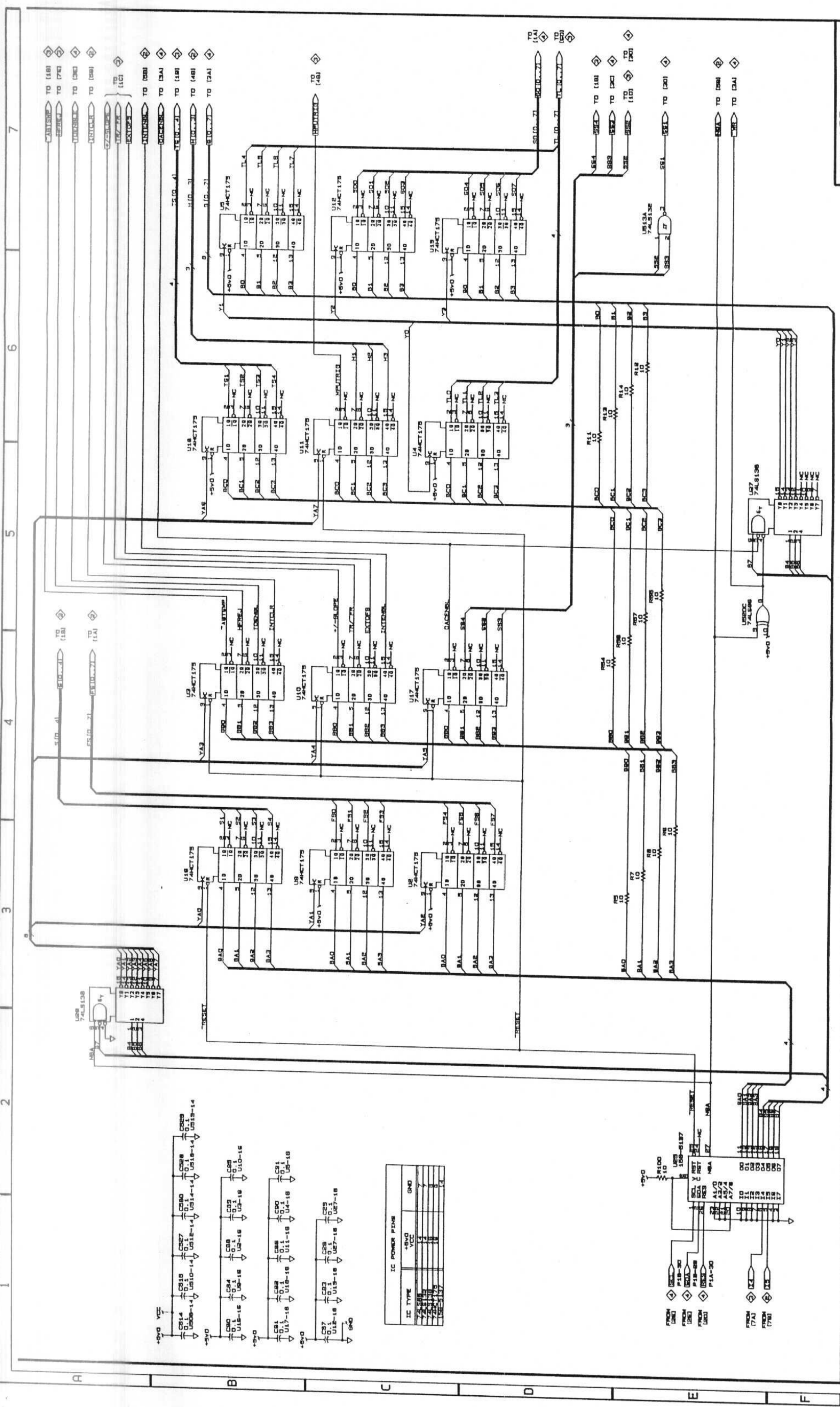
SEE PARTS LIST FOR
SEMICONDUCTOR TYPES

PARTIAL A31A2 PRAC-T-N-SYNTHESIZER BOARD
368-8064-01/870-8499-03/873-8499-02

565 SYNTHESIZER OSCILLATOR A31A2

11-8064-01 REV. JAN 31, 1988

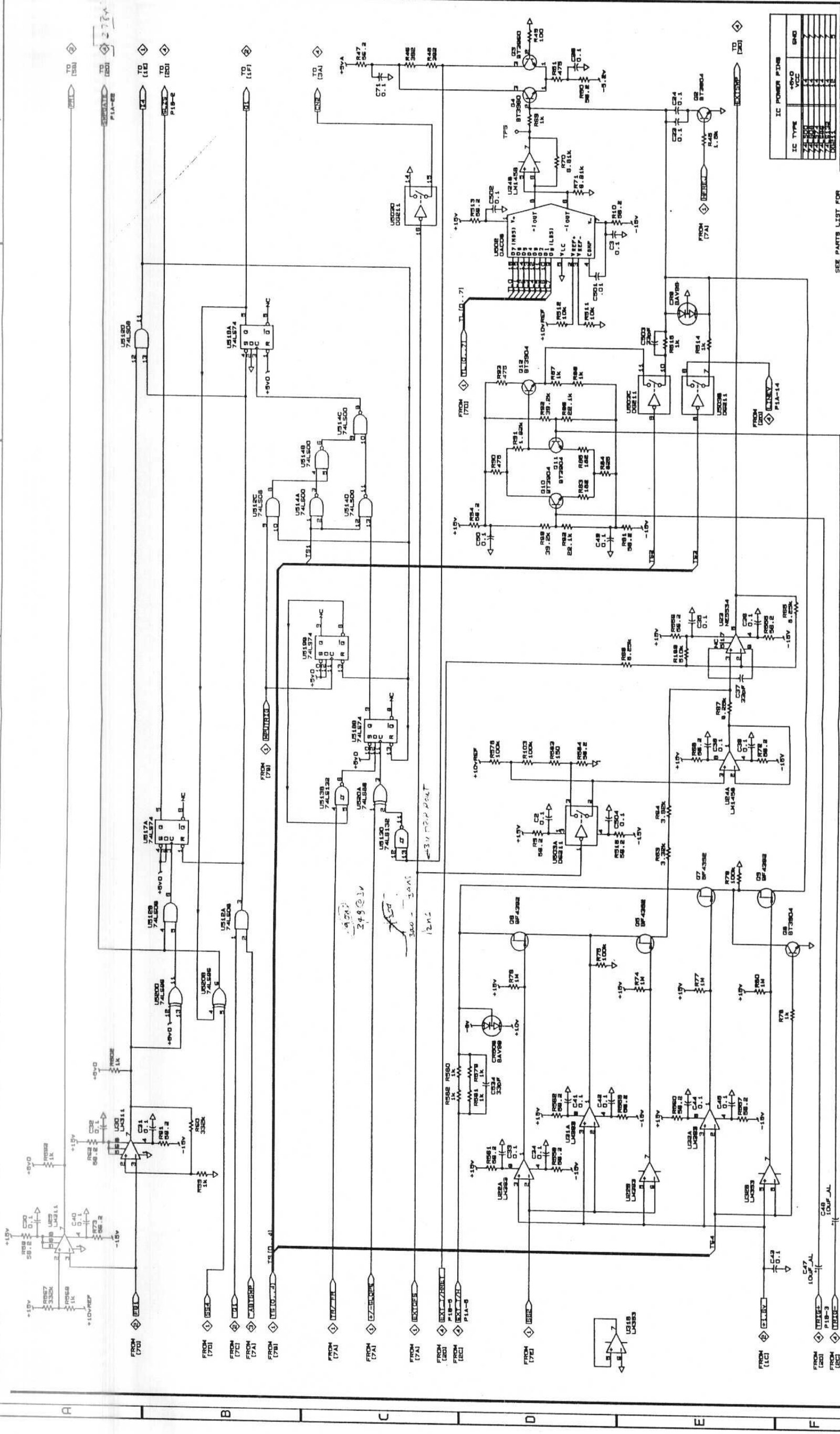
2782

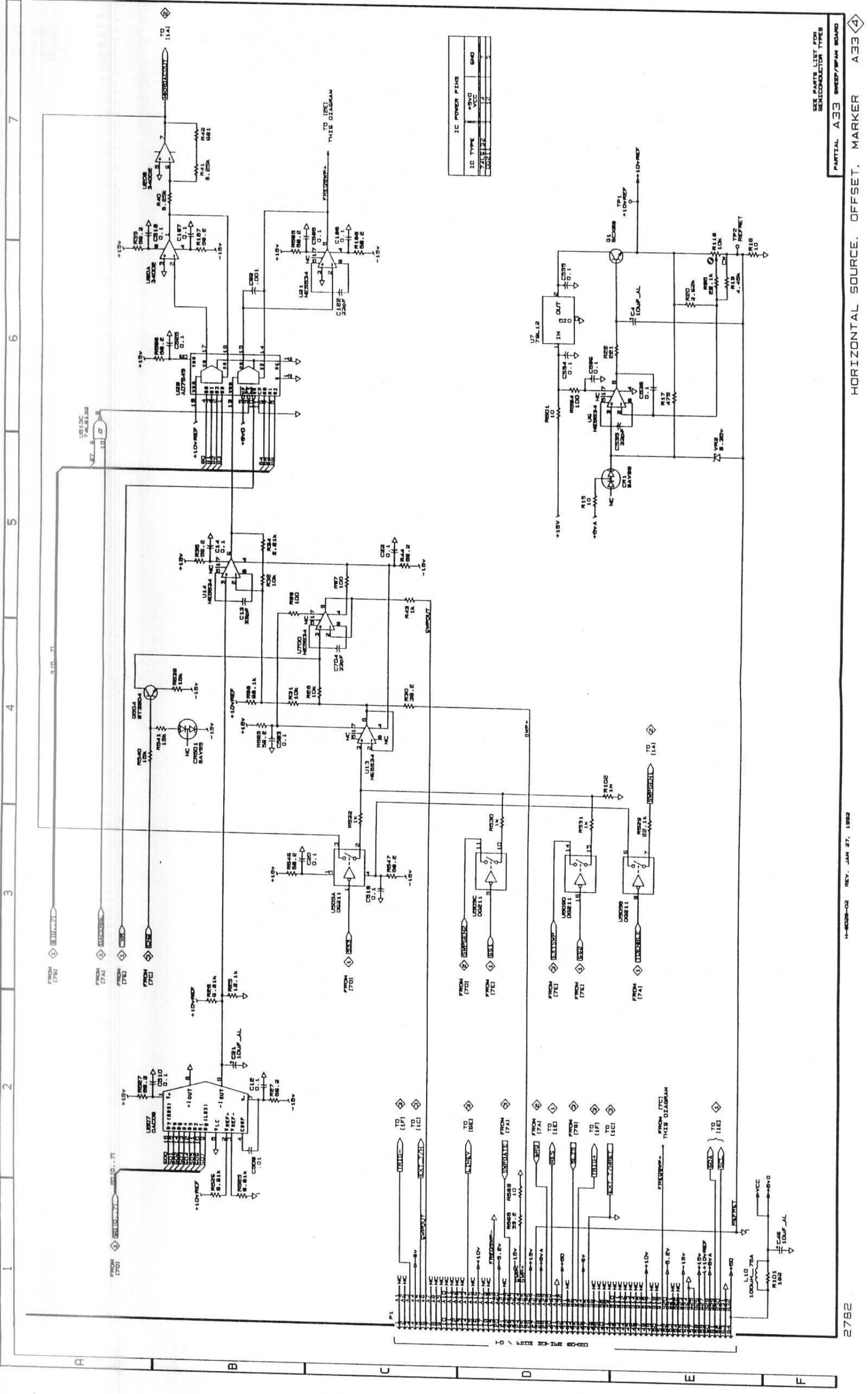


7220 AT 260ns 2 A 15

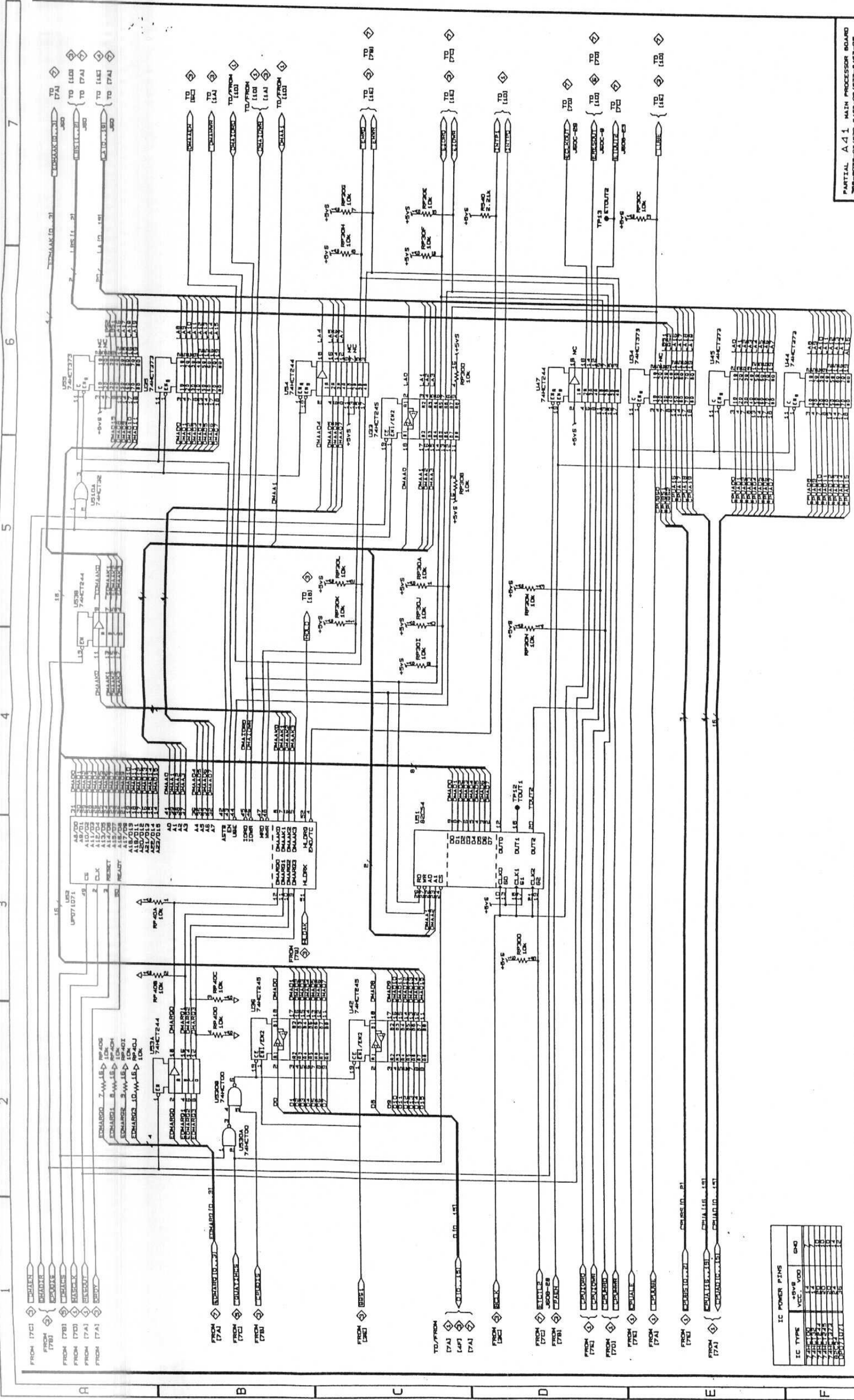
SEE PARTS LIST FOR SEMICONDUCTOR TYPES

IC POWER PIN			
IC TYPE	+V _{CC}	V _{EE}	Q ₁₀
74180	1	14	1
74181	1	14	1
74182	1	14	1
74183	1	14	1
74184	1	14	1
74185	1	14	1
74186	1	14	1
74187	1	14	1
74188	1	14	1
74189	1	14	1

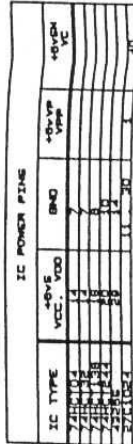


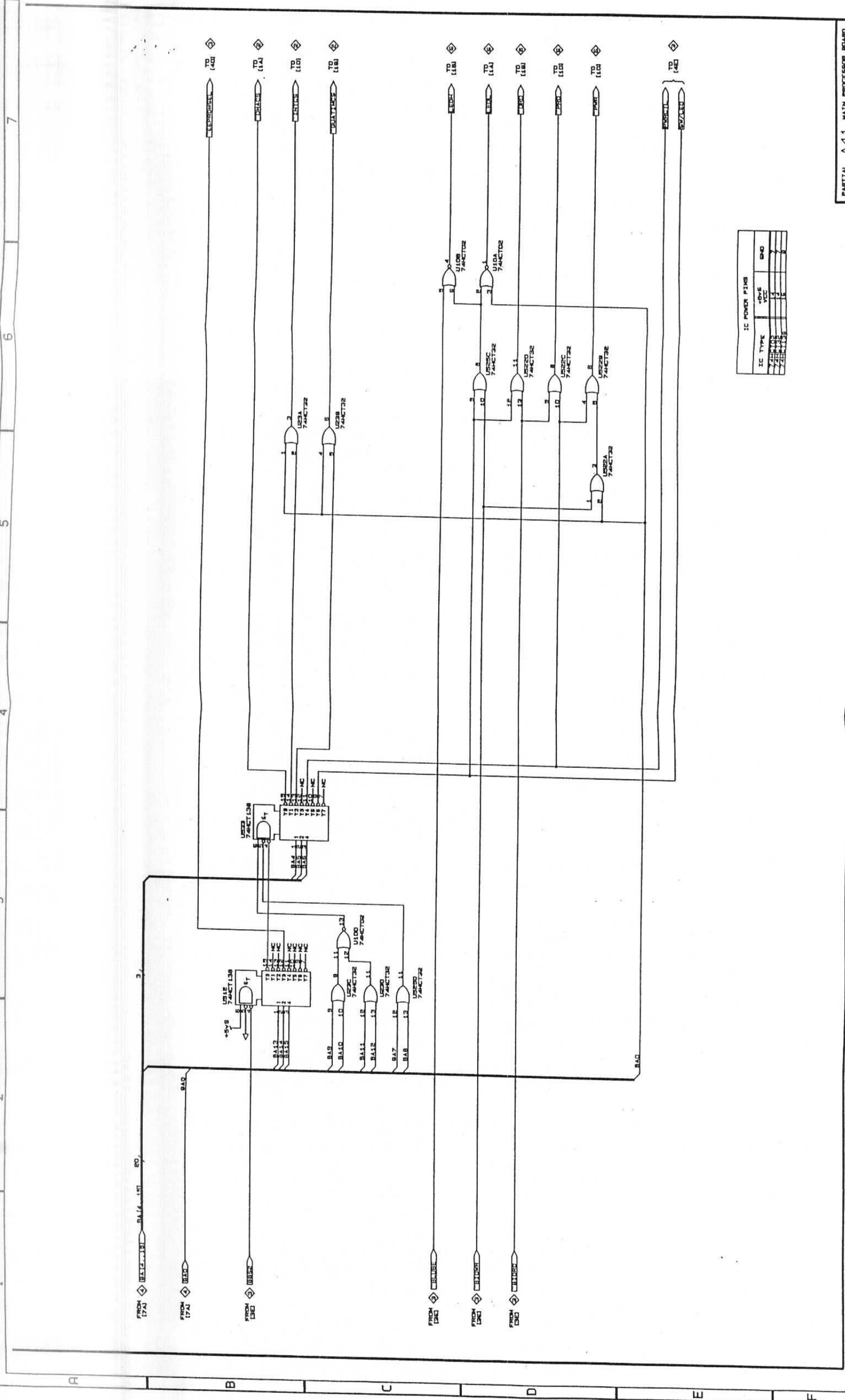


IC TYPE	POWER PINS
7413C	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



IC POWER PINS			
IC TYPE	+5V	VCC	GND
74ACT244	1	14	20
74ACT245	1	14	20
74ACT273	1	14	20
74ACT124	1	14	20
74ACT125	1	14	20
74ACT126	1	14	20
74ACT127	1	14	20
74ACT128	1	14	20
74ACT129	1	14	20
74ACT130	1	14	20
74ACT131	1	14	20
74ACT132	1	14	20
74ACT133	1	14	20
74ACT134	1	14	20
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74ACT136	1	14	20
74ACT137	1	14	20
74ACT138	1	14	20
74ACT139	1	14	20
74ACT140	1	14	20
74ACT141	1	14	20
74ACT142	1	14	20
74ACT143	1	14	20
74ACT144	1	14	20
74ACT145	1	14	20
74ACT146	1	14	20
74ACT147	1	14	20
74ACT148	1	14	20
74ACT149	1	14	20
74ACT150	1	14	20
74ACT151	1	14	20
74ACT152	1	14	20
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74ACT156	1	14	20
74ACT157	1	14	20
74ACT158	1	14	20
74ACT159	1	14	20
74ACT160	1	14	20
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74ACT162	1	14	20
74ACT163	1	14	20
74ACT164	1	14	20
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74ACT180	1	14	20
74ACT181	1	14	20
74ACT182	1	14	20
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74ACT185	1	14	20
74ACT186	1	14	20
74ACT187	1	14	20
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74ACT189	1	14	20
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74ACT192	1	14	20
74ACT193	1	14	20
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74ACT195	1	14	20
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74ACT197	1	14	20
74ACT198	1	14	20
74ACT199	1	14	20
74ACT200	1	14	20

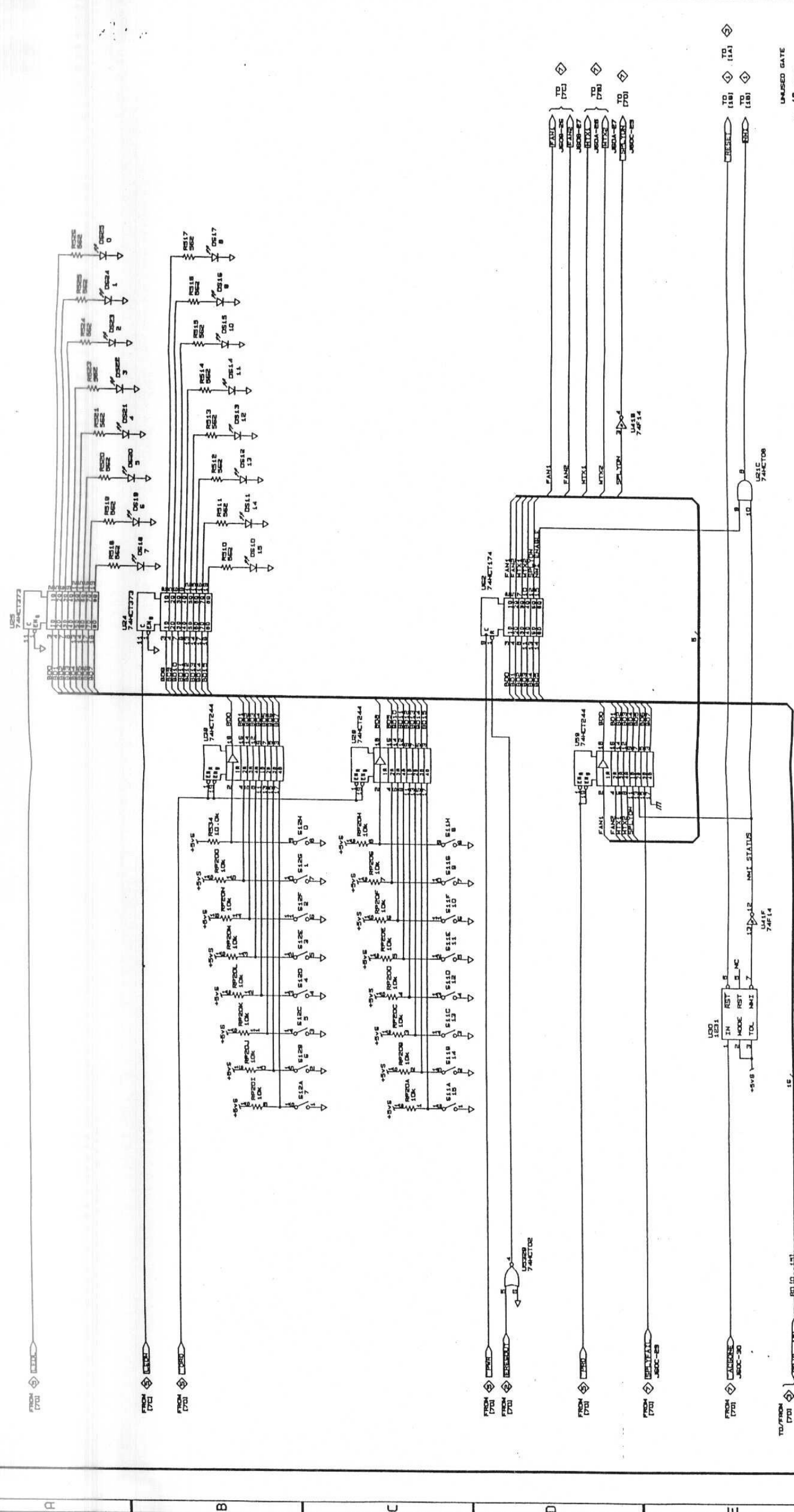




IC POWER PINS			
IC TYPE	GND	VCC	NC
7410	1	14	2
7411	1	14	2
7412	1	14	2
7413	1	14	2

SEE PARTS LIST FOR
SEMICONDUCTOR TYPES

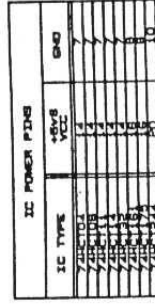
IC POWER PINS			
IC TYPE	+5V	VCC	GND
U21	1	14	13
U22	1	14	13
U23	1	14	13
U24	1	14	13
U25	1	14	13
U26	1	14	13
U27	1	14	13
U28	1	14	13
U29	1	14	13
U30	1	14	13
U31	1	14	13
U32	1	14	13
U33	1	14	13
U34	1	14	13
U35	1	14	13
U36	1	14	13
U37	1	14	13
U38	1	14	13
U39	1	14	13
U40	1	14	13
U41	1	14	13
U42	1	14	13
U43	1	14	13
U44	1	14	13
U45	1	14	13
U46	1	14	13
U47	1	14	13
U48	1	14	13
U49	1	14	13
U50	1	14	13
U51	1	14	13
U52	1	14	13
U53	1	14	13
U54	1	14	13
U55	1	14	13
U56	1	14	13
U57	1	14	13
U58	1	14	13
U59	1	14	13
U60	1	14	13
U61	1	14	13
U62	1	14	13
U63	1	14	13
U64	1	14	13
U65	1	14	13
U66	1	14	13
U67	1	14	13
U68	1	14	13
U69	1	14	13
U70	1	14	13

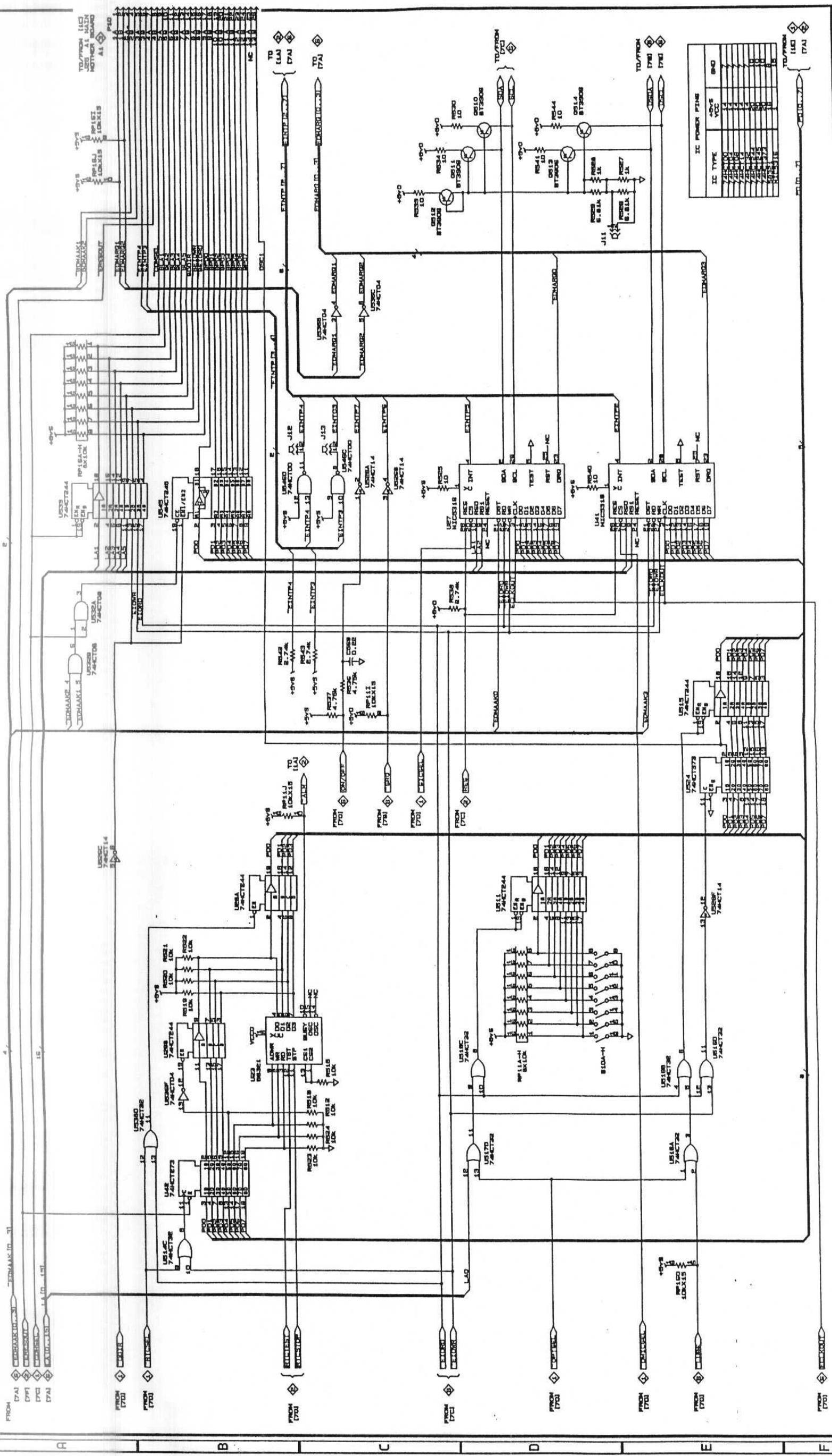


1 2 3 4 5 6 7

A B C D E F

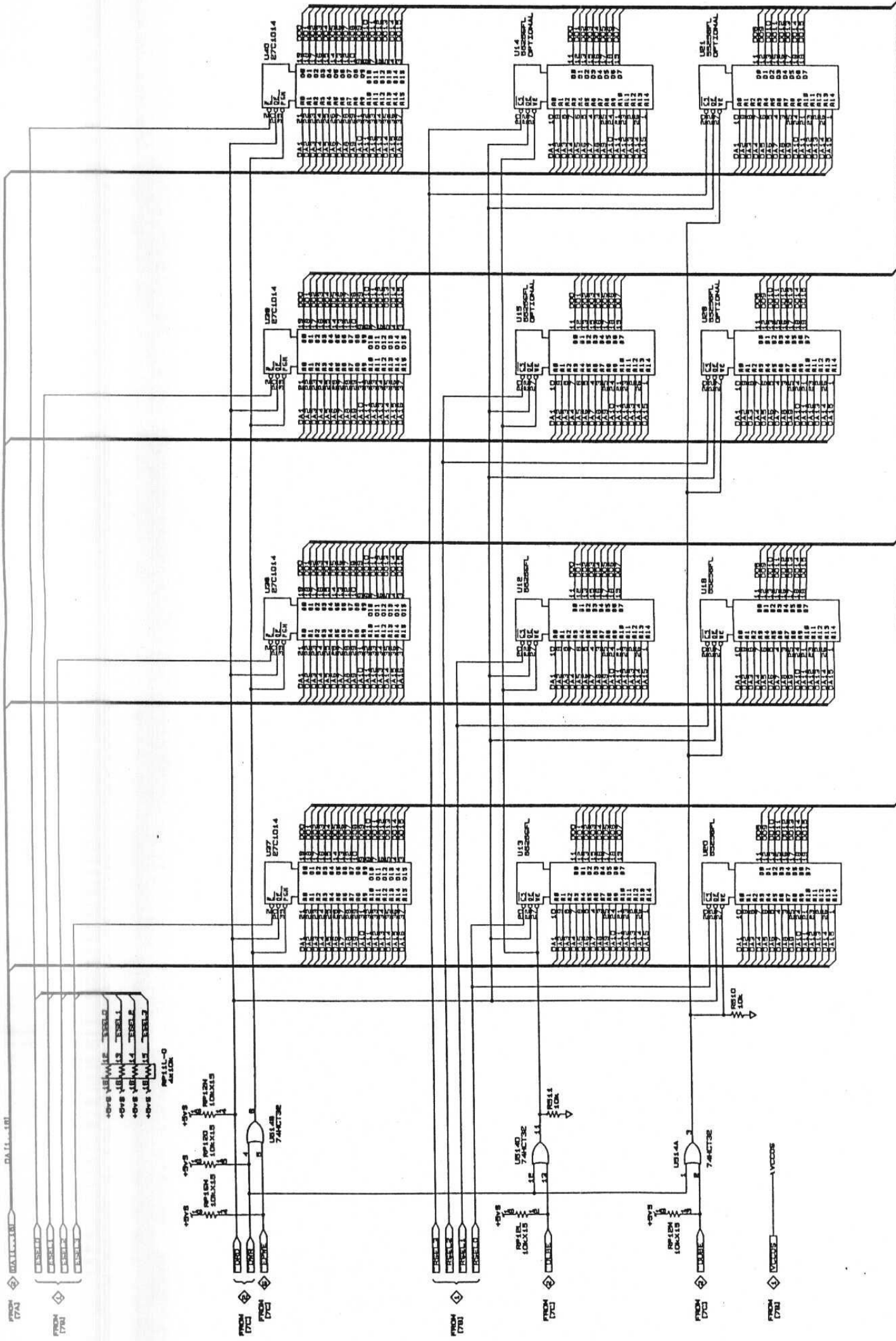






IC TYPE	IC VALUE	IC PART
74ACT04	1	74ACT04
74ACT14	1	74ACT14
74ACT00	1	74ACT00
74ACT02	1	74ACT02
74ACT08	1	74ACT08
74ACT10	1	74ACT10
74ACT11	1	74ACT11
74ACT12	1	74ACT12
74ACT13	1	74ACT13
74ACT14	1	74ACT14
74ACT15	1	74ACT15
74ACT16	1	74ACT16
74ACT17	1	74ACT17
74ACT18	1	74ACT18
74ACT19	1	74ACT19
74ACT20	1	74ACT20
74ACT21	1	74ACT21
74ACT22	1	74ACT22
74ACT23	1	74ACT23
74ACT24	1	74ACT24
74ACT25	1	74ACT25
74ACT26	1	74ACT26
74ACT27	1	74ACT27
74ACT28	1	74ACT28
74ACT29	1	74ACT29
74ACT30	1	74ACT30
74ACT31	1	74ACT31
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74ACT99	1	74ACT99
74ACT100	1	74ACT100

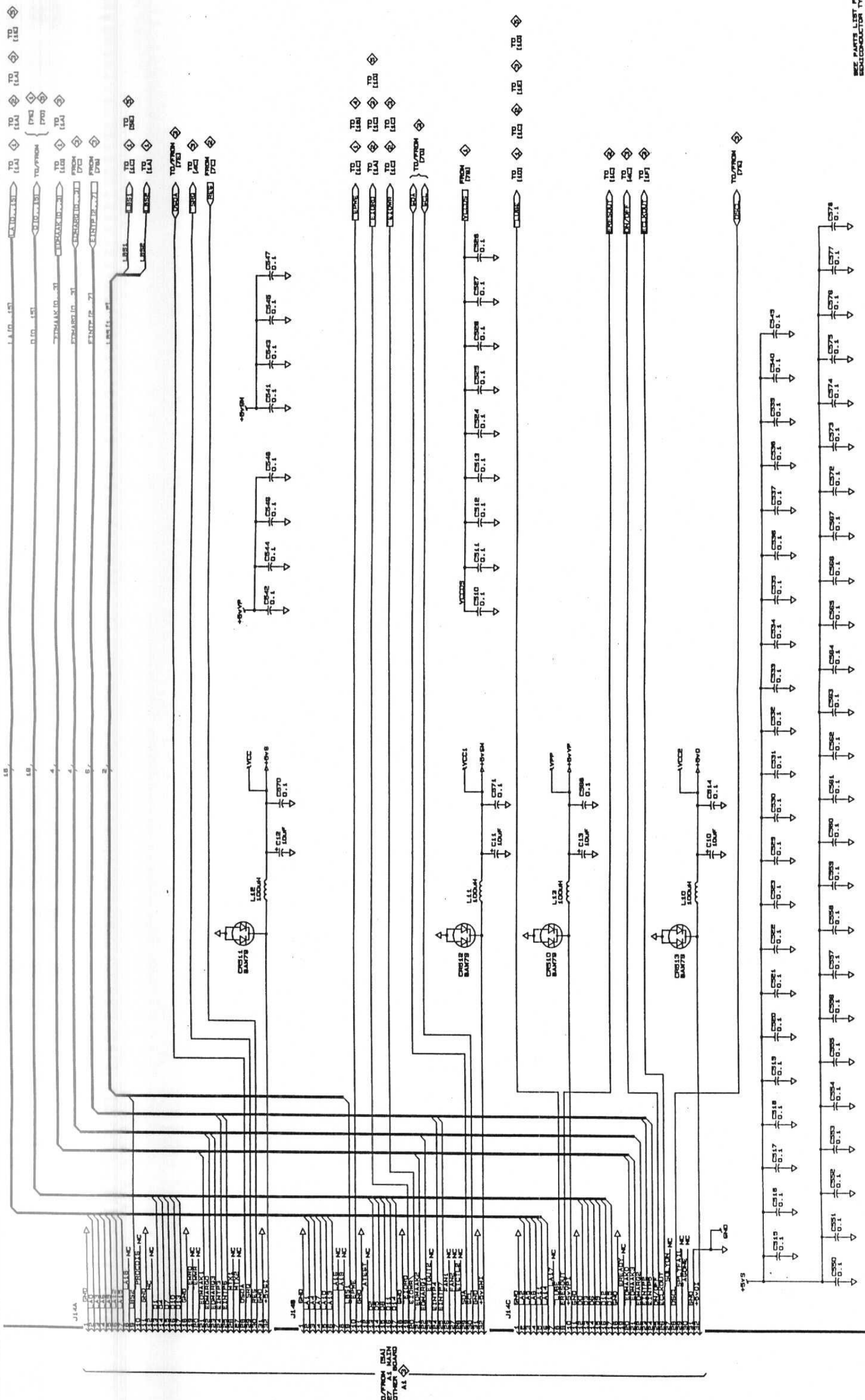
IC POWER PINS					
IC TYPE	+5V VCC	+5V VCC	+5V VCC	+5V VCC	ICAD
74VHC14	1	2	3	4	5
74VHC14	1	2	3	4	5
74VHC14	1	2	3	4	5

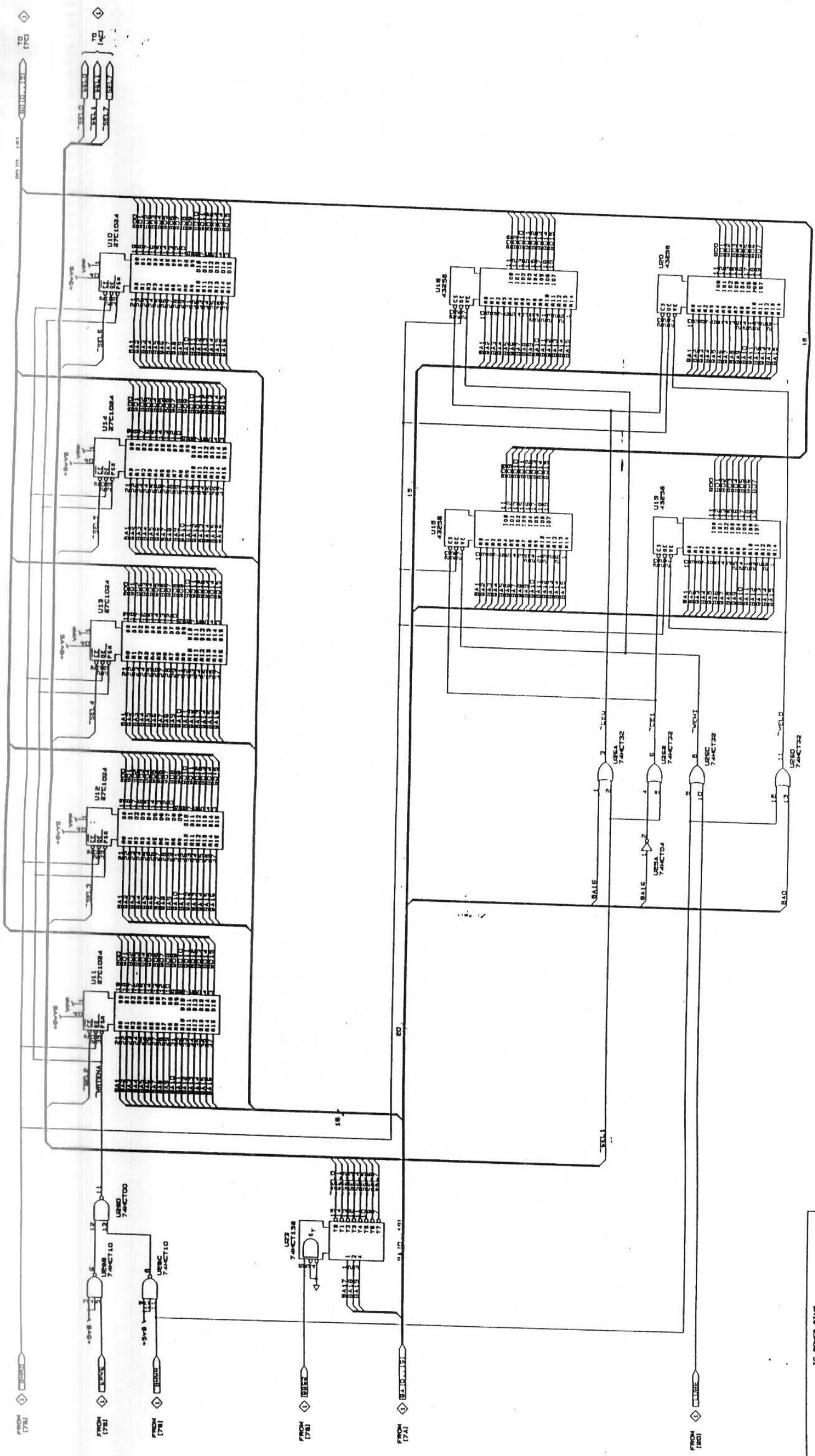


TO EPROM

PARTIAL A42 I/O INTERFACE BOARD

SEE PARTS LIST FOR
SEMICONDUCTOR TYPES





IC POWER PINS				
IC TYPE	+5V	+12V	VPP	Q40
74ACT10	1	1		
74ACT100	1	1		
74ACT104	1	1		
74ACT108	1	1		
74ACT109	1	1		
74ACT110	1	1		
74ACT112	1	1		
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